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Inter-Research

1992

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Nitrogen metabolism of phytoplankton

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Physiological ecology of algae

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Environmental effects on invertebrates

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Environmental effects on fishes (incl. deep sea)

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Physiological ecology of microorganisms

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Physiological ecology of invertebrates

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Environmental effects on benthic microorganisms, benthic microbial ecology

Meyers, S. P., Prof.
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Physiological ecology of microorganisms

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Marine microbiology

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Physiological ecology of phytoplankton; primary production; benthic algae

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Physiological ecology of invertebrates

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Physiological ecology and reproductive biology of estuarine and marine benthic macroalgae

Westernhagen, H. von, Dr
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Effects of pollution on marine communities

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Physiological ecology of invertebrates

PHYSIOLOGICAL MECHANISMS

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Resistance to stress including pollution; regulation; adaptation

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Behavioral physiology of fish; feeding; predation of fish larvae

Brown, B. E., Dr
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Physiology and ecology of corals

Burton, R. S., Prof.
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Population genetics; evolutionary mechanisms in populations; biochemical and molecular genetic analyses of invertebrates

Caron, D. A., Dr
Biology Dept, Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Feeding, respiration and nutrient regeneration of protozoans

Chapman, A. R. O., Prof.
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Physiology and demography of macroalgae

Conover, R. J., Dr
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Physiology and biochemistry of zooplankton

Costlow, J. D., Jr, Prof.
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Developmental physiology; endocrinology

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Biological rhythms

Forward, R. B., Jr, Dr
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Environmental zoo-physiology; behavior; biological rhythms

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Photosynthesis; plankton biochemistry

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Chemosensory behavior; mathematical models

Marinescu, A.-G., Dr
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Stress effects on invertebrates

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Osmoregulation in estuarine invertebrates

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Behavioural physiology; invertebrate biology

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Ecophysiology and toxicology of algae; cellular biology; behavior of algae

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Physiological energetics of invertebrates, incl. metabolic calorimetry; symbioses; hyperoxia and oxidative stress; effects of UV light; sea anemone biology

Videler, J. J., Dr
Dept of Marine Biology, Univ. of Groningen, PO Box 14, 9750 AA Haren, The Netherlands
Swimming dynamics of plankton; activity pattern and reproductive strategies of fishes; energy budgets of herbivores

West, J. A., Prof.
Dept of Plant Biology, Univ. of California, 111 Genetics Plant Biology Bldg, Berkeley, CA 94720, USA
Chemistry of red algae; molecular genetics of red and green algae

Zhirmunsky, A. V., Prof.
Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, Russia
Mechanisms of cellular resistance and control

CULTIVATION

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Nutrition of invertebrates

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Microcosm cultures

Meyers, S. P., Prof.
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Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

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Cultivation of zooplankton

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Cultivation of decapods and fishes; bioenergetics

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Cultivation of microorganisms

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Cultivation of invertebrates

DYNAMICS

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Phytoplankton ecology

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Marine microbiology; ecological dynamics

Birkeland, C., Prof.
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Coral-reef ecology; benthic ecology

Brattegard, T., Dr
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Ecology of suprabenthic animals; distribution of crustaceans

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Mangrove systems; reef studies

Caron, D. A., Dr
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Microbial ecology; trophic relations between planktonic protozoans and other heterotrophic and photosynthetic organisms; pelagic detrital aggregates

Chapman, A. R. O., Prof.
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Community ecology of rocky shores

Collos, Y., Dr
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Nitrogen cycling and primary production

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Zooplankton biology

Cushing, D. H., Dr
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Productivity of the sea; fish-population dynamics; biological oceanography

Elliott, M., Dr
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Structure and function of fish and benthic communities

Fenchel, T., Prof.
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Population biology; microbial ecology

Field, J. G., Prof.
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Dynamics of nearshore ecosystems

Foster, M. S., Prof.
Moss Landing Marine Laboratories, California State Univ., PO Box 450, Moss Landing, CA 95039-040, USA
Population and community ecology of macroalgae

Fuhrman, J., Prof.
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Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

Furness, R. W., Dr
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Ecology of sea birds

Furuya, K., Dr
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Phytoplankton ecology; community structure, dynamics

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Benthos of deep sea and temperate coasts

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Soft-sediment ecology

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Zoogeography; natural history of fish

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Crustacean ecology (incl. deep sea)

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Benthic community ecology; coral reef ecology; plant-herbivore interactions, seaweed ecology; chemical ecology

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Benthic ecology, emphasis on seagrass ecosystems

Holm-Hansen, O., Dr
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Polar ecology; chemical oceanography; photosynthesis

Hudon, C., Dr
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Crustacean ecology and biology

Hughes, R. N., Dr
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Ecological energetics (particularly feeding)

Karlson, R. H., Prof.
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Population and community ecology of benthic invertebrates

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Biological oceanography; physical and biological processes in the pelagial with emphasis on copepods and fish larvae

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Trophodynamics; animal nutrition, energy and nutrient budgets; nutrient cycling; primary productivity; fish biology; seagrass, coral reef, kelp bed ecosystems

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Food web interactions; zooplankton ecology

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Reproduction of invertebrates; nutrition

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Ecological modelling; phytoplankton ecology

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Estuarine ecology of macrobenthos and fish

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Coral-reef ecology; tropical marine biology

Lewis, M. R., Dr
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Biological oceanography; phytoplankton physiology; modelling of physical and biological processes

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Feeding ecology of deposit feeders; geochemistry of trace elements in sediments

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Deep-sea ecology; radioactive pollution

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Phytoplankton ecology; nutrient cycling

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Ecology of benthos algae; marine macrophytes

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Ecology of fungi and bacteria; decomposition

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Ecology of molluscs; community structure of soft-sediment invertebrates

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Zooplankton ecology

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Kelp forest ecology; reproductive ecology

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Marine benthic ecology; population biology

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Coral-reef ecology; shallow-water tropical communities

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Phytoplankton ecology; primary production

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Zooplankton ecology and behavior; trophic dynamics; prey selection. Competition for space among benthic invertebrates

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Benthos ecology

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Coral-reef ecology; benthic community ecology; ecology of fishes, echinoderms, coelenterates

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Phytoplankton ecology; primary production; photosynthesis

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Invertebrate larval ecology

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Dynamics of large organisms; ecology of sea birds

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Microbial food webs; trophic roles of phagotrophic protozoans

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Food webs and trophic interactions

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Rocky-coast ecosystems; deep-sea ecosystems

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Microzooplankton, particularly ciliates; secondary production

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Benthic ecology and bioenergetics; production; food chains of detritus-based systems

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Wetlands ecology, incl. submerged seagrasses and emergent marshes; production and utilization of detritus

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Experimental intertidal and subtidal ecology; behavior; life cycles of sessile invertebrates

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Oceanic plankton ecosystems; deep-sea amphipods; biological oceanography

Wangersky, P. J., Prof.
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Organic matter in sea water; theoretical population dynamics; geochemistry; chemical oceanography

Warwick, R. M., Dr
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Structure and functioning of benthic communities; meiofaunal ecology; energy flow

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Reproductive dynamics of red algae; fine structure and parasites of algae

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Plankton ecology; community structure, population dynamics

OCEAN MANAGEMENT

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Pollution of marine environments

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Radioactive and conventional pollution

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Dept of Biology, The University, Newcastle upon Tyne NE1 7RU, England
Effects of man-made and natural disturbances on coral reefs

Bryan, G. W., Dr
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Heavy metal pollution; estuarine chemistry

Eisler, R., Dr
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Toxicology and pollution

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Dept of Applied Biology, Institute of Estuarine and Coastal Studies, The University, Hull HU6 7RX, UK
Marine pollution assessment and control

Fisher, N. S., Dr
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Pollutant effects on plankton; radioecology

Fowler, S. W., Dr
IAEA, ILMR, Stade Louis II, Entrée C-19, Ave des Castellans, MC-98000 Monaco
Pollution effects on zooplankton; radioecology

Gray, J., Prof.
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Pollution effects on benthos animals

Luoma, S. N., Dr
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Bioaccumulation of trace contaminants (principally trace elements and radionuclide waste products)

Marinescu, A.-G., Dr
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Toxicology and stress responses in invertebrates

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Radioactive pollution

McLusky, D. S., Dr
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Biological effects of pollutants (petro-, chemical, organic enrichment)

Peterson, C. H., Prof.
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Fisheries management and ecology

Polikarpov, G. G., Prof.
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Chemical ecology, radioecology, radiotracers, pollution; protection of sea life

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Fisheries ecology; fishery resources; zooplankton

Westernhagen, H. von, Dr
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Fish egg and larval survival

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